



**SUMMARY TEST DATA
ON
SDLVA-500M4G-CD-2**

PL15001

Customer: _____ SO No: _____ Model No: <u>SDLVA-500M4G-CD-2</u> Serial No: <u>PL15001/1417</u>	Tested By: <u>RCombs</u> Temperature: <u>25°C</u> Date: <u>04/24/14</u> Drawing No: <u>27619941</u> Rev: <u>B1</u>
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TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	PASS / FAIL	QA QC
1	Frequency Range:	500MHz to 4 GHz	See Plots #1A, 1B, 1C, 2	
2	RF Gain (Small Signal):	55dB Typ (J1 to J2)@-50dBm	55.3dB	
3	Video Flatness over Frequency:	± 50mV Max	See Plot #1A	
4	TSS:	-71dBm Max -73dBm Typ (25°C, -40C, +75°C)	-72dBm	
5	VSWR J1, J2,	2.0:1 Max	1.88:1 See Plot #2	
6	PSAT:	+13dBm Typ (J2)	+11.3dBm	
7	Power Input:	+17dBm CW Max (J1)	Pass	
8	Log Slope:	25mV/dB Typ(J3) (50Ω Load) (25°C, -40C, +75°C)	See Plots #1A, 1B, 1C	
9	Log Range:	-70 to 0 dBm	See Plots #1A, 1B, 1C	
10	Log Linearity	±2.5dB (J3) (25°C, -40C, +75°C)	See Plots #1A, 1B, 1C	
11	DC Offset:	50 ± 50mV(J3)	37mV	
12	Pulse Range:	30ns to CW	30ns to CW	
13	Rise Time:	10ns Max (5ns Typ)	7ns	
14	Recovery Time:	60ns Max (40ns Typ)	42ns	
15	Harmonics:	15dBc Min -70 to 0dBm	15.5dBc	
16	DC Supply:	+15VDC @ 350 mA -15VDC @ 180 mA	+15VDC @ 207mA -15VDC @ 96mA	

QA/QC Approval: _____ **Date:** _____

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VSWR PLOT #2

